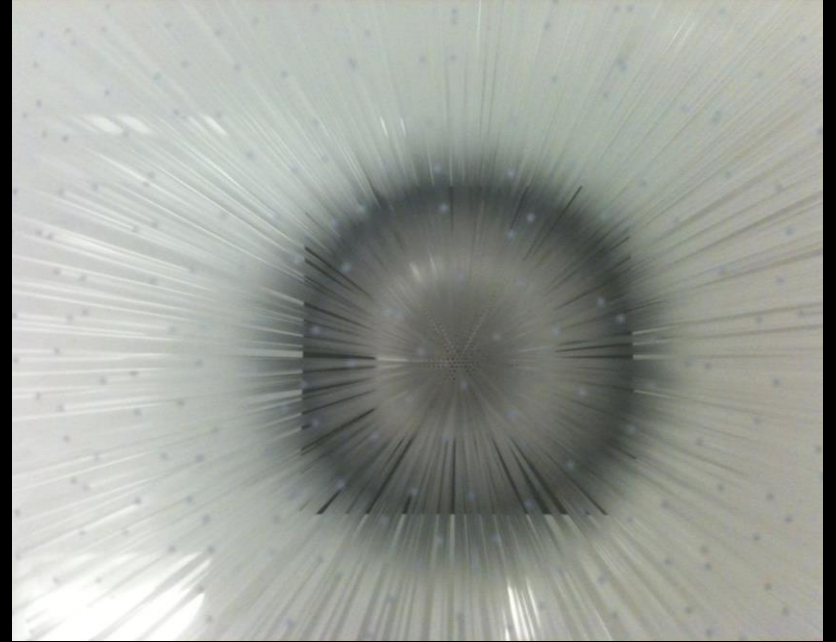


sPHENIX EMCAL

BNL UPDATE

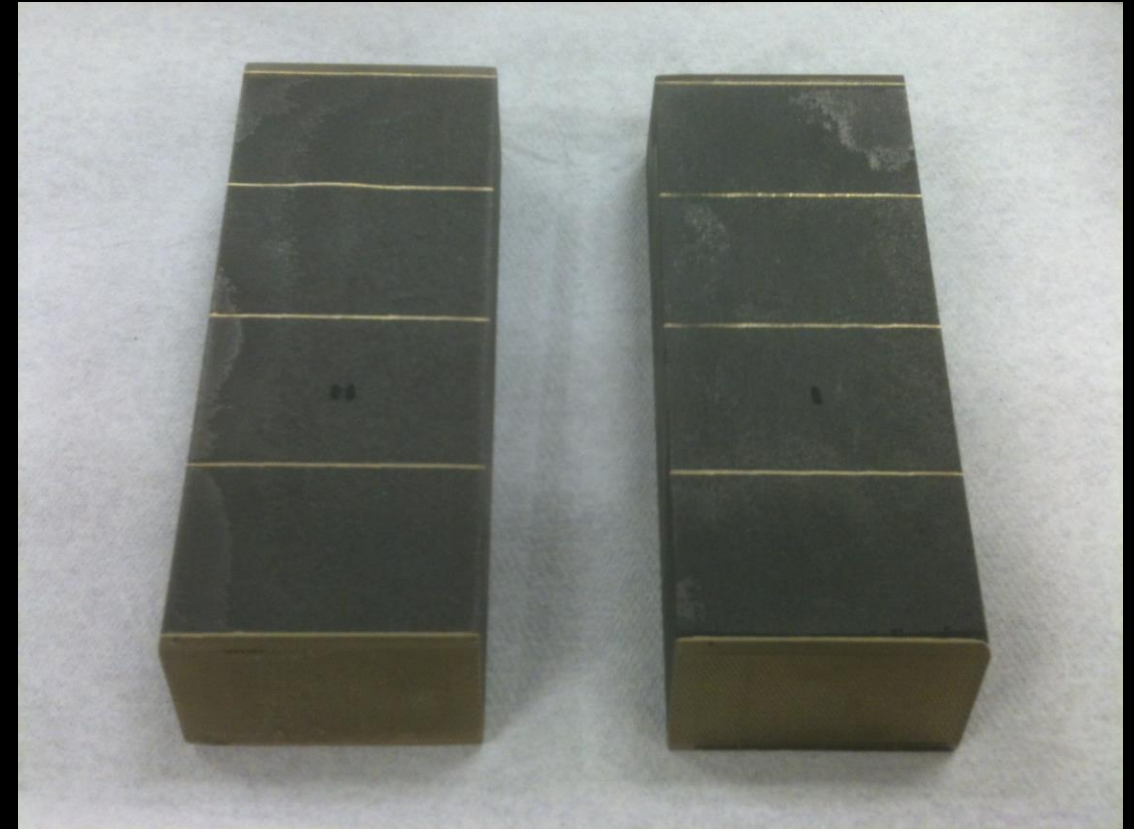


Sean Stoll

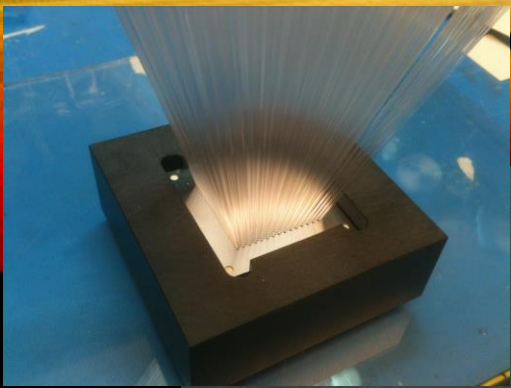
sPHENIX EMCal bi-weekly meeting

6/22/2015

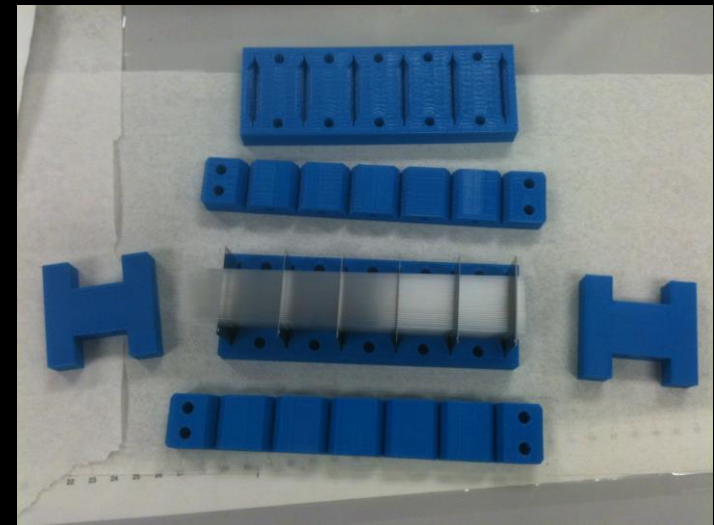
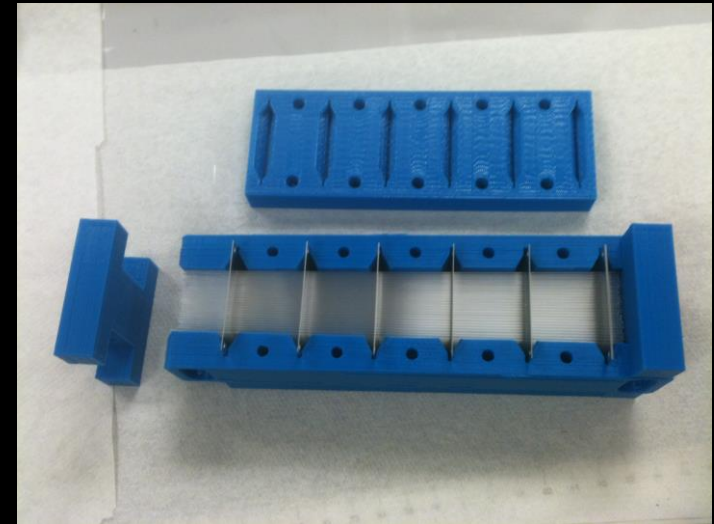
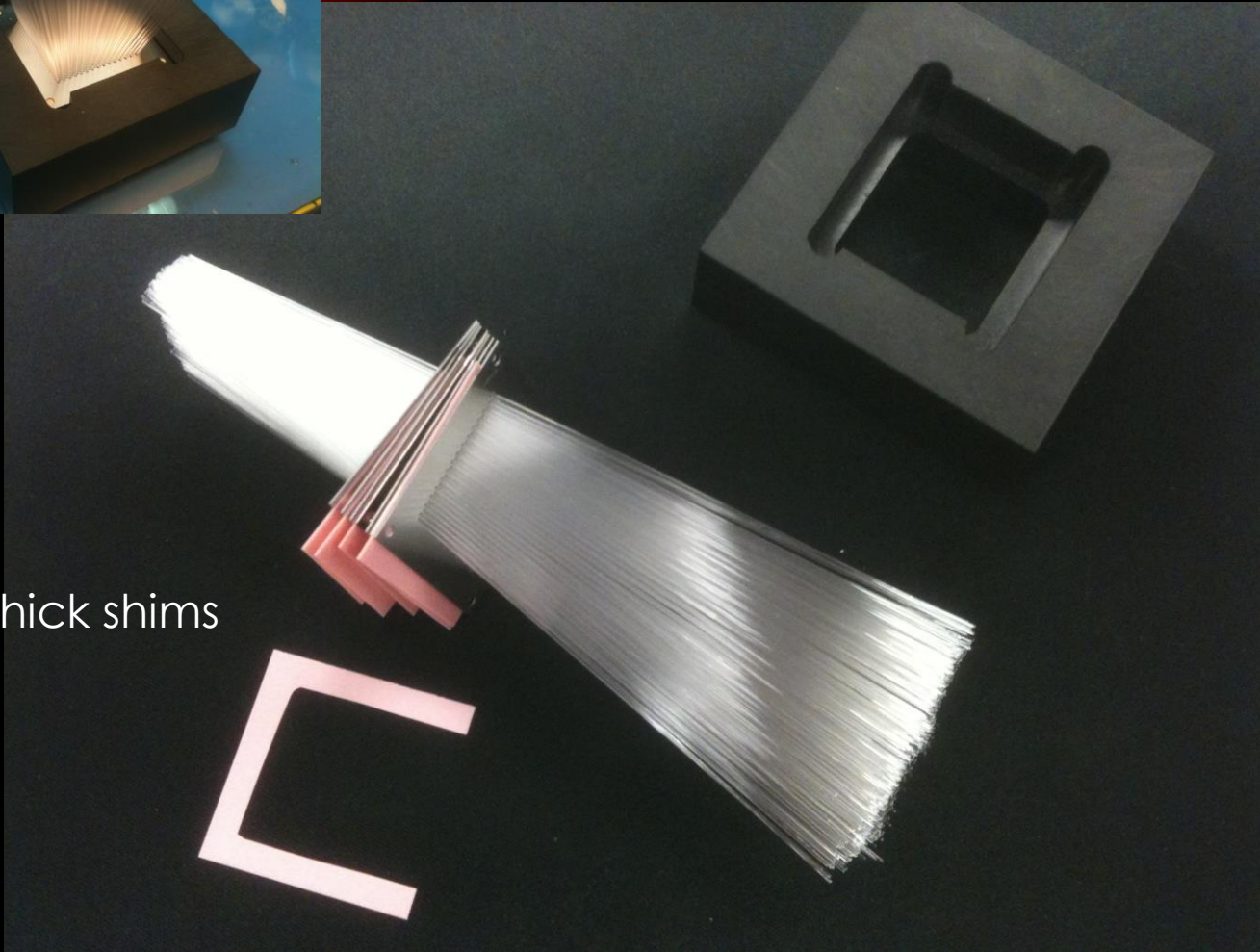
- Received 2 modules from THPP for evaluation
 - Conducting Q/A and mechanical testing
 - Second module is considerably better than first
 - Some issues: “dead” fibers, dimensional tolerances, density uniformity, side edge fibers damaged by machining, voids and bubbles
- Measured densities of modules were 9.63 and 9.75 g/cm³
-



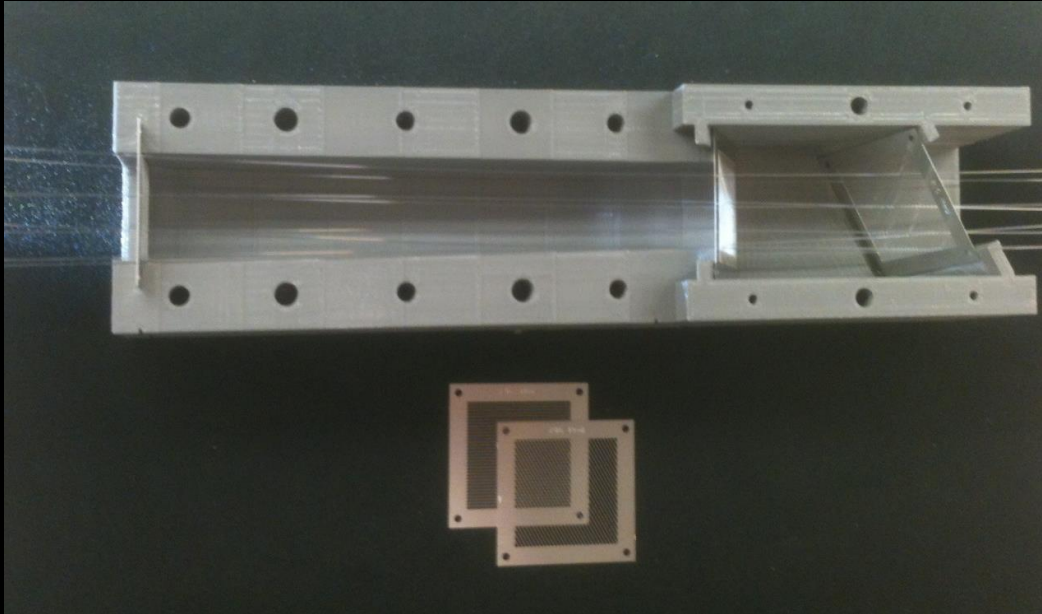
	Measured Density of Tungsten/epoxy/fiber sPHENIX modules and reference SPACAL samples								Densities in g/cm^3				
	BNL						THP		SPACAL samples				
	1	2	3	4	5		I	II		50x50x82.5	165x12x53	14x14x23	
density of W-epoxy-fiber region:	9.36	(in IR)	9.68	9.63	9.65		9.75	9.63		9.15	9.84	8.59	
sample WEIGHT (g) (dimensions vary)	1503		1643	1692	1712		1699	1716					



0.015" thick shims



Continuing to work on possible solutions for fully projective module manufacturing



First design of fixture to hold tilted wire frames

